



Montana DWSAC Briefing



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Weather-Ready Nation

National Oceanic and Atmospheric Administration



Montana: Aug 2020 – July 2021

Average Temperature ranked 9th warmest

Avg Temp	20 th Century Average	Departure
44°F	41.1°F	2.9°F

Precipitation ranked 2nd driest and driest since 1936

Precip	20 th Century Average	Departure
13.13"	18.67"	-5.54"



Montana: June-July 2021

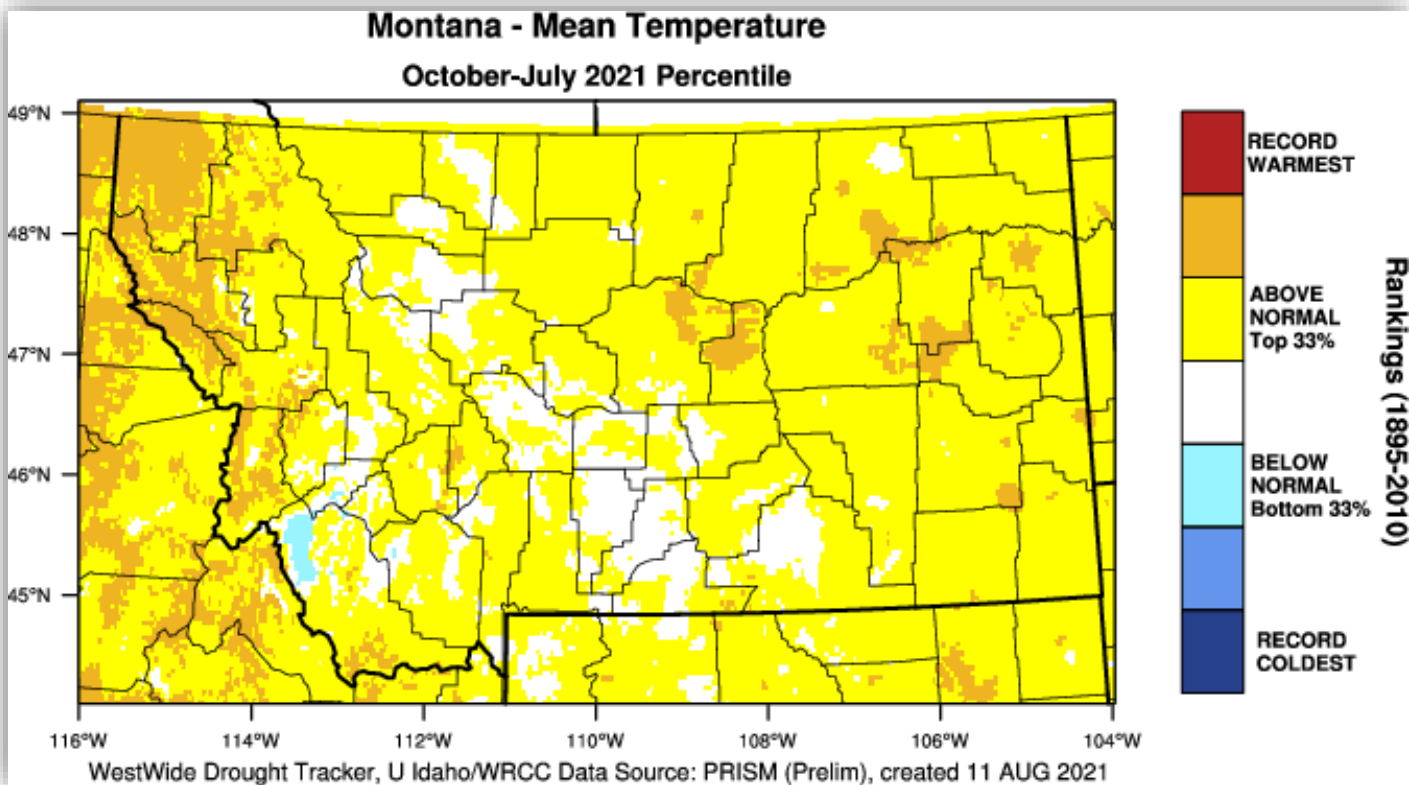
Average Temperature warmest on record

Avg Temp	20 th Century Average	Departure
69°F	62°F	7.0°F

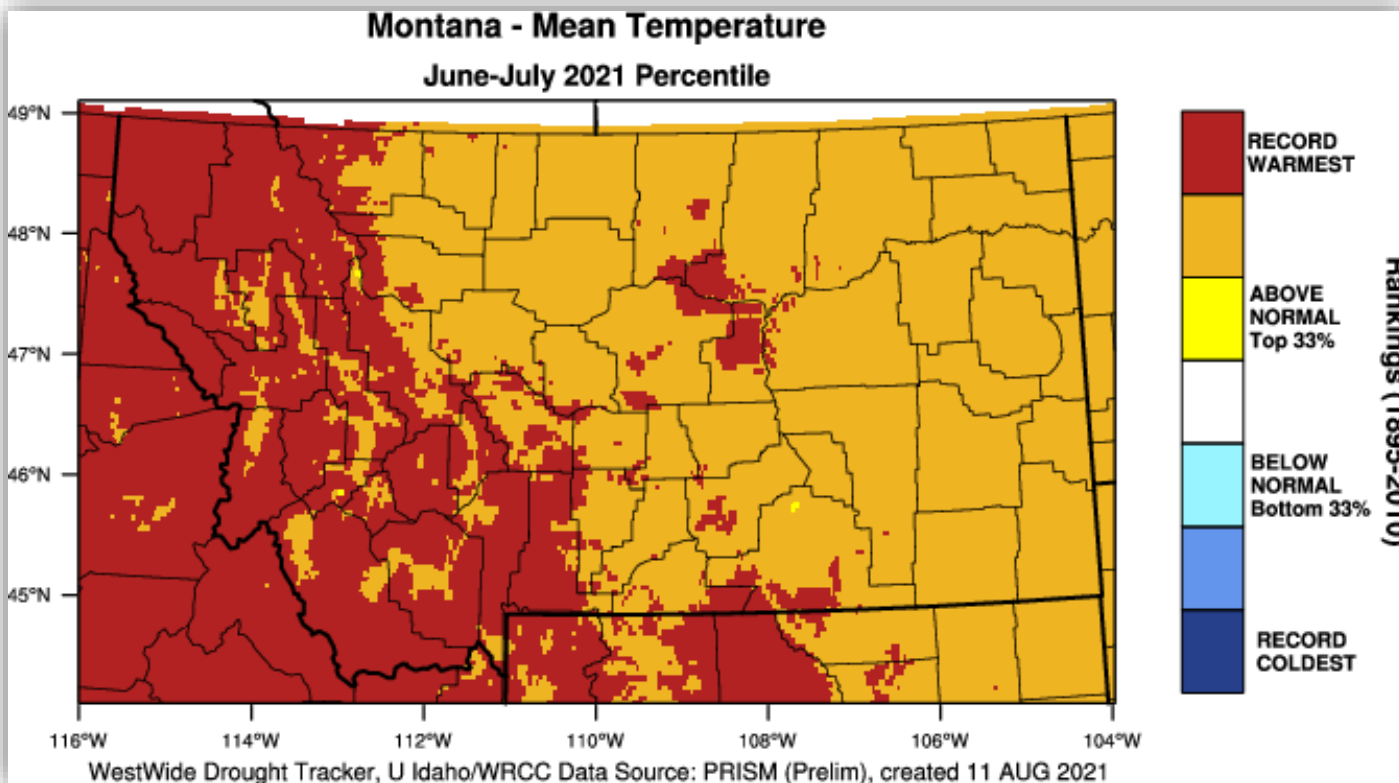
Precipitation ranked driest on record

Precip	20 th Century Average	Departure
1.54"	4.45"	-2.91"

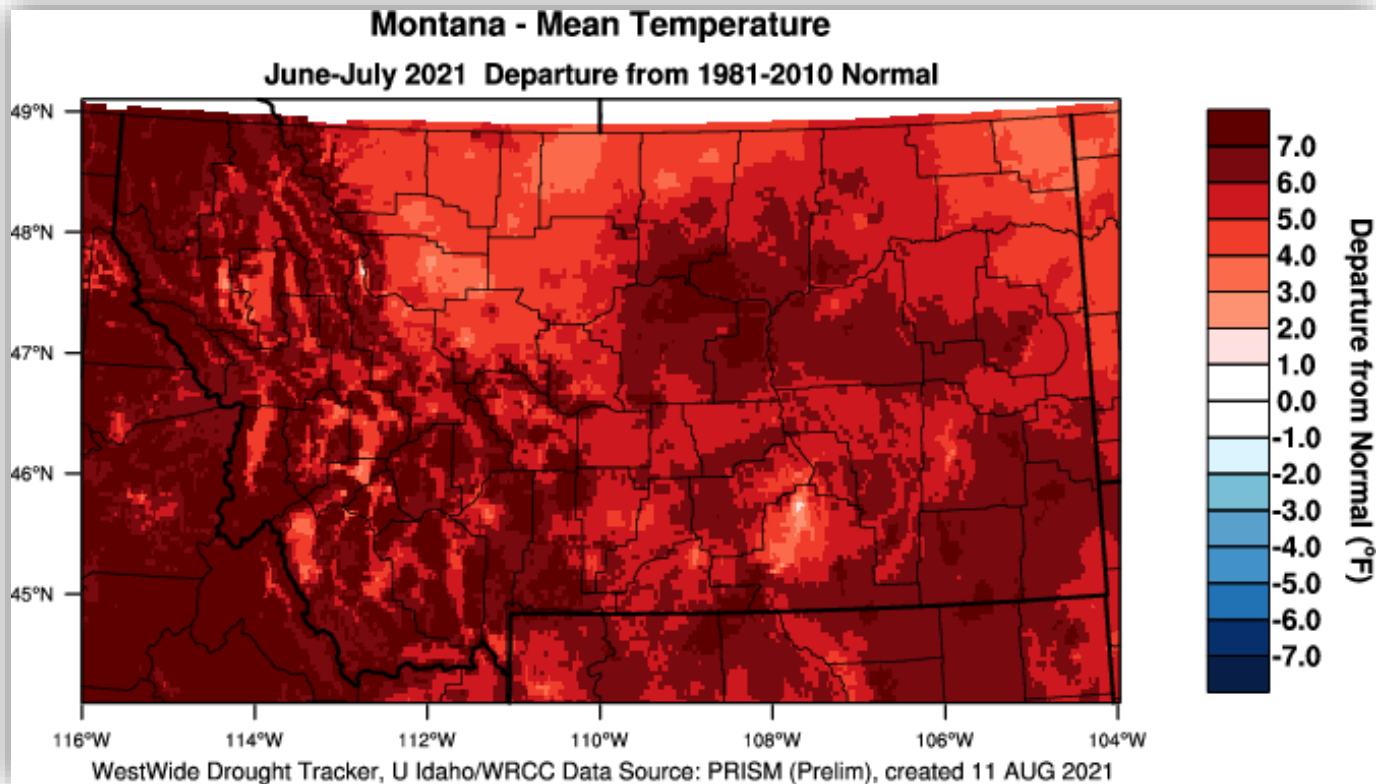
WY Temperature Ranking



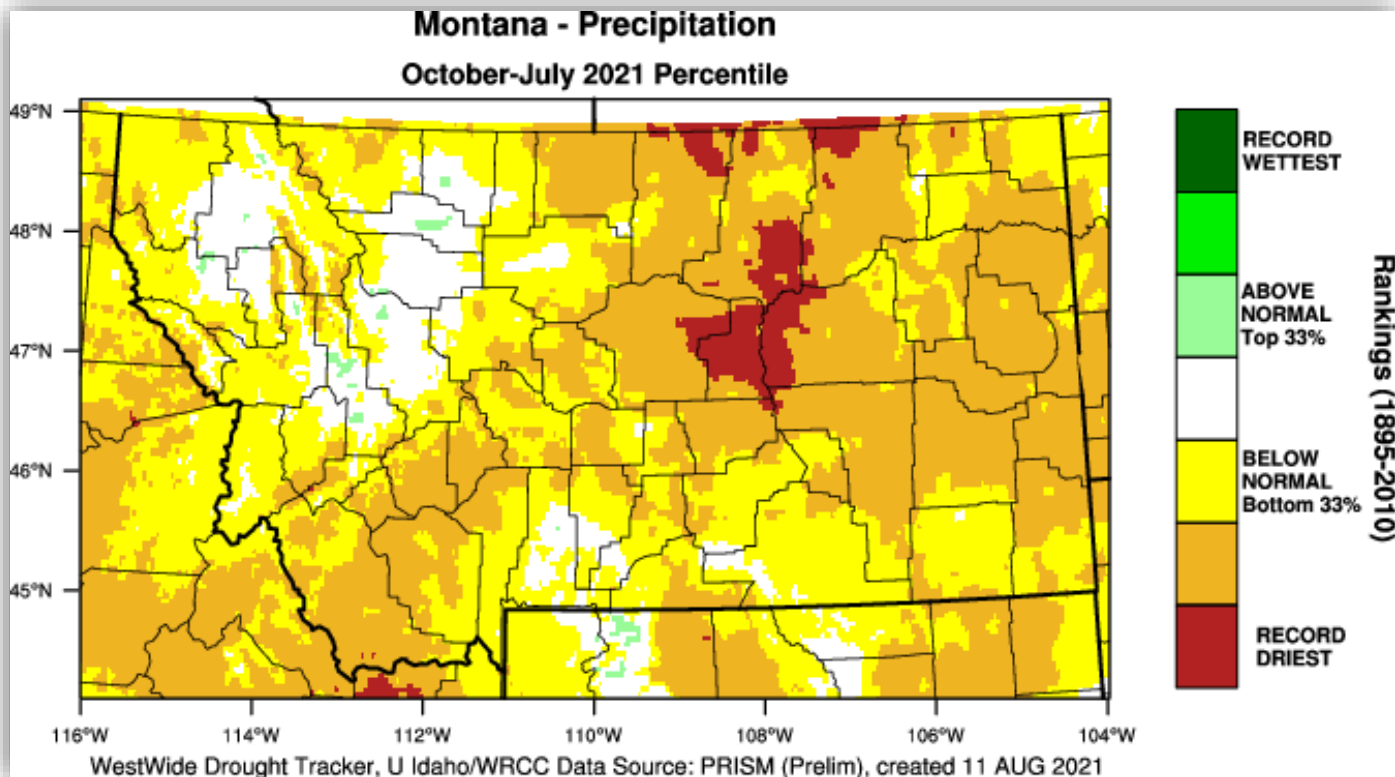
June-July Temp Ranking



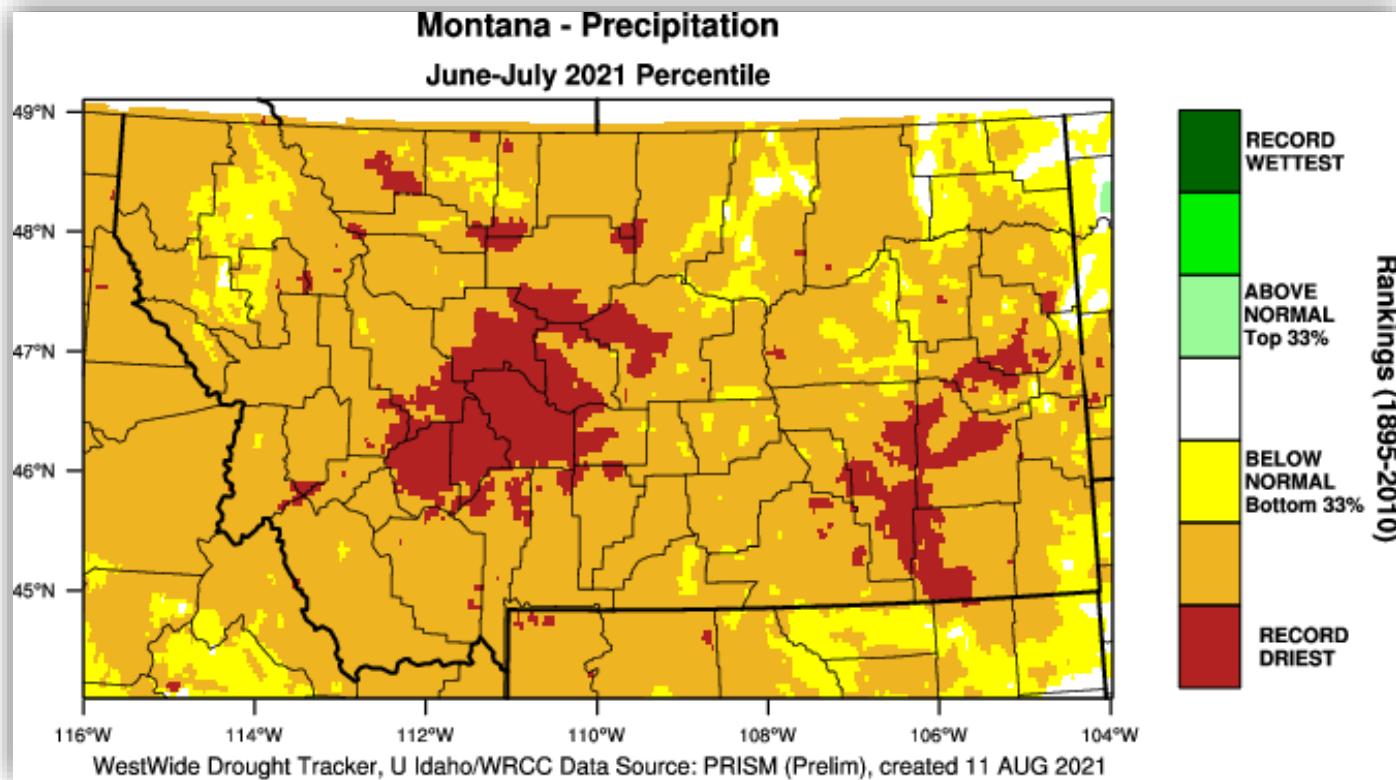
June-July Temp Departure



WY Precipitation Ranking

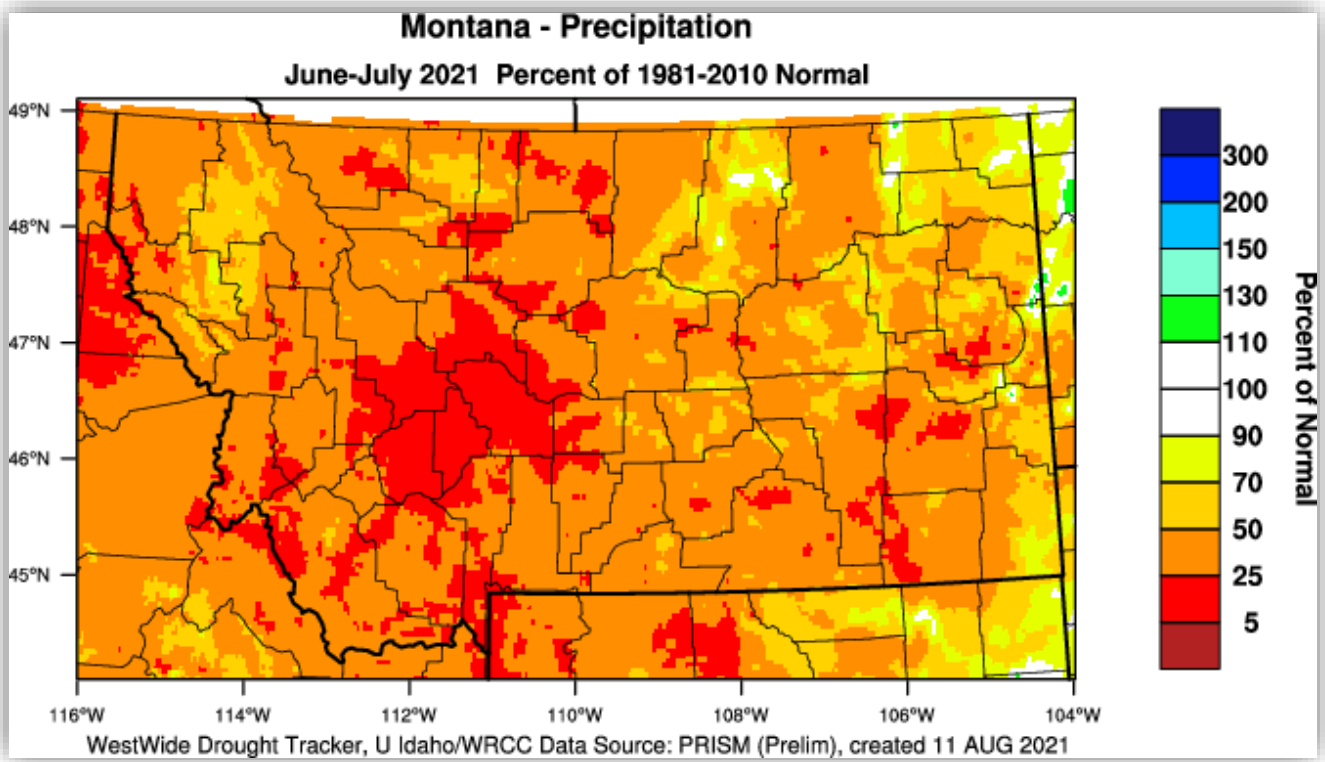


June-July Precipitation Ranking





June-July Precipitation Anomaly



USDA Soil Moisture

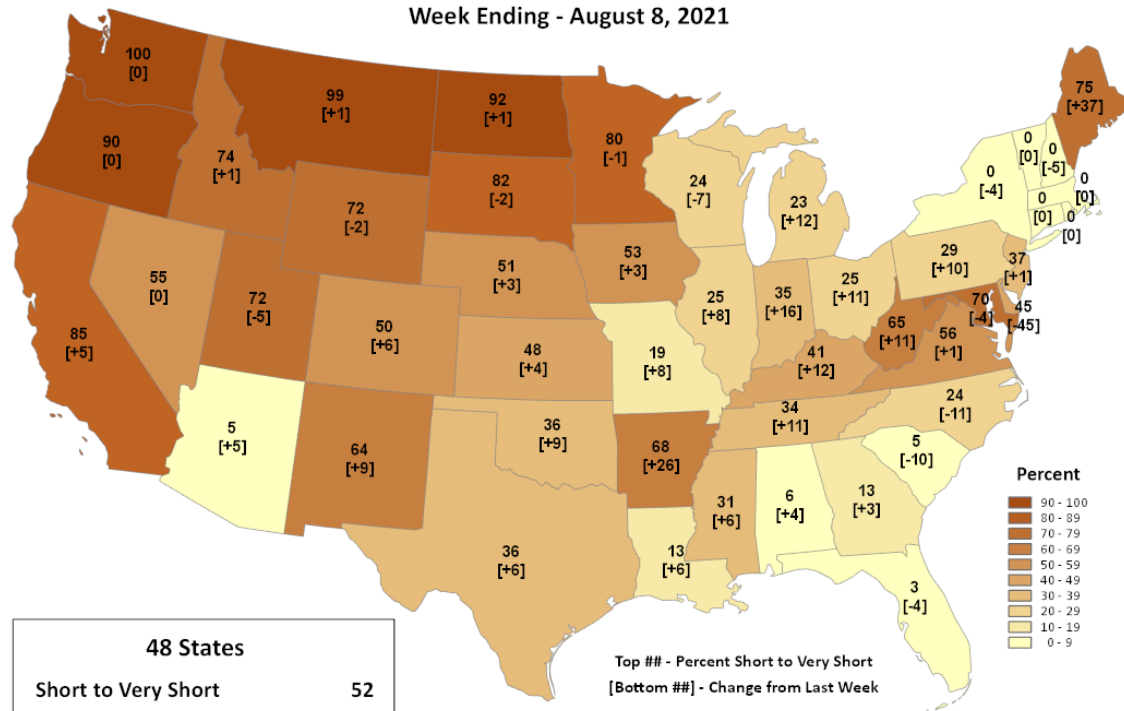


United States
Department of
Agriculture

*This product was prepared by the
USDA Office of the Chief Economist (OCE)
World Agricultural Outlook Board (WAOB)*

Topsoil Moisture Percent Short to Very Short

Week Ending - August 8, 2021



48 States

Short to Very Short

52

Change from Last Week

+4

Top ## - Percent Short to Very Short
[Bottom ##] - Change from Last Week

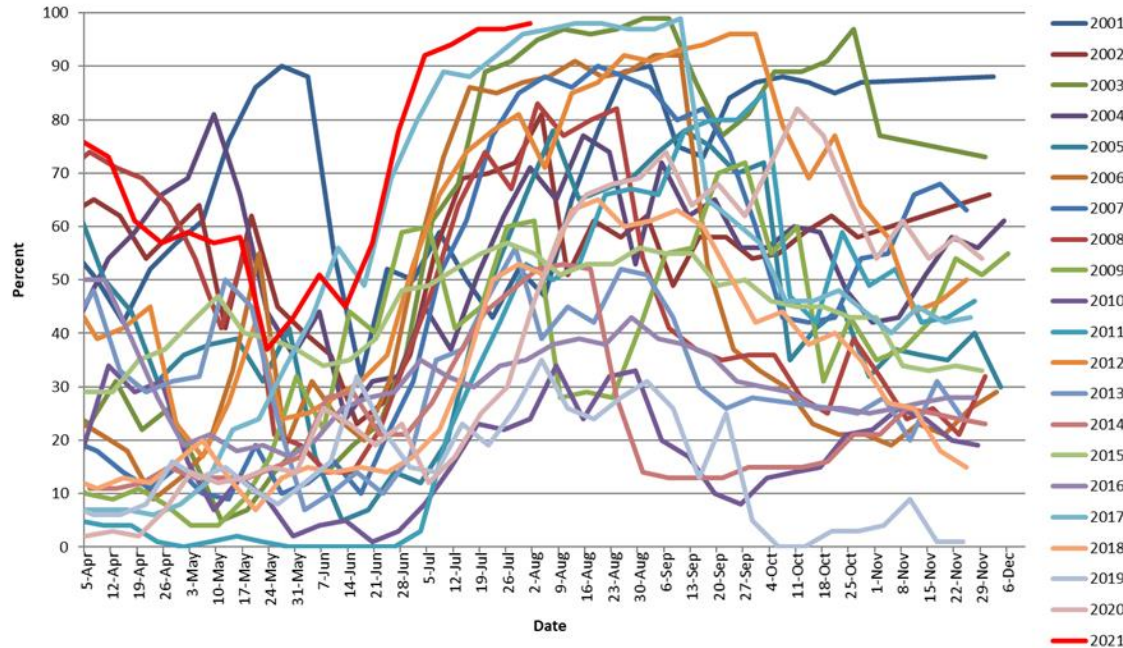
Data obtained from USDA National Agricultural Statistics Service weekly Crop Progress reports.



USDA Soil Moisture



MT Topsoil Moisture: Percent Short-Very Short

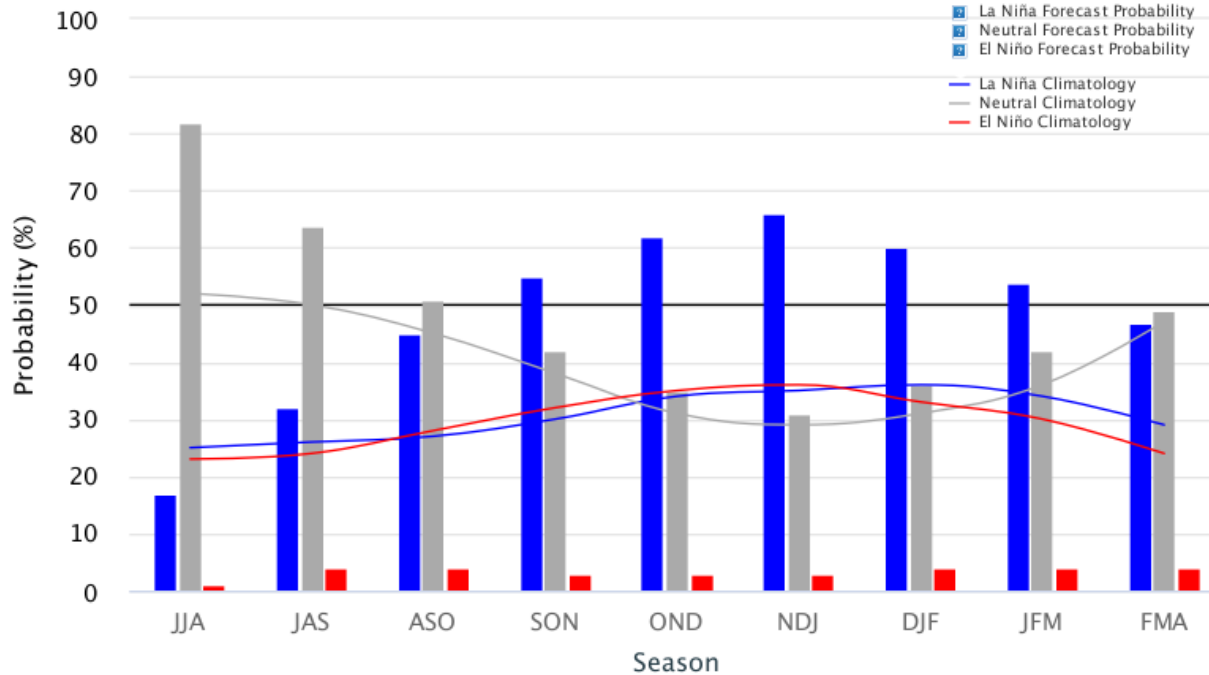


Based on NASS crop progress data.

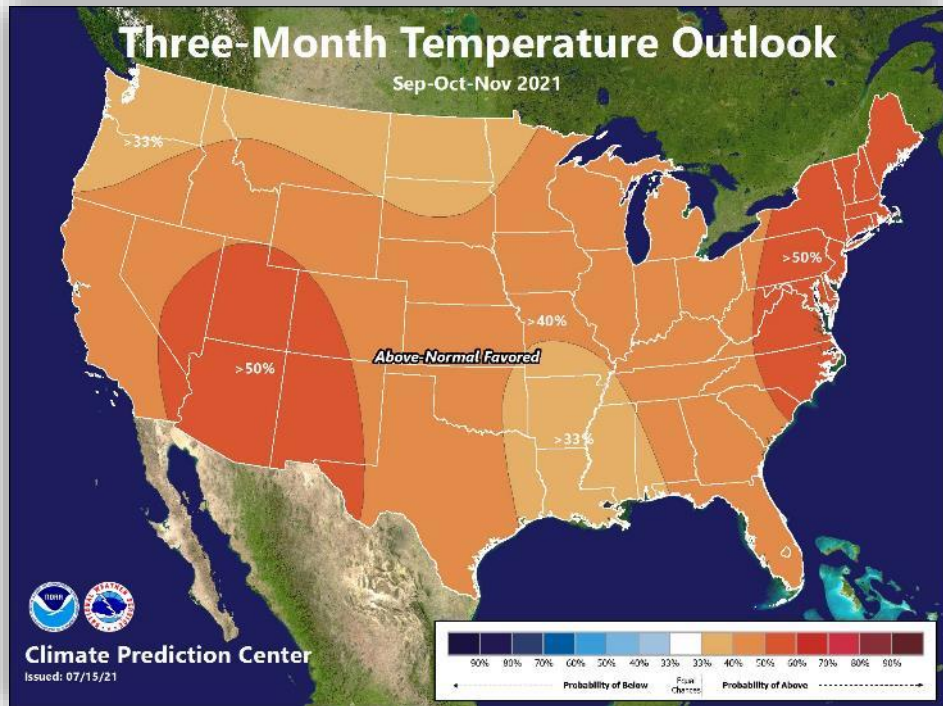
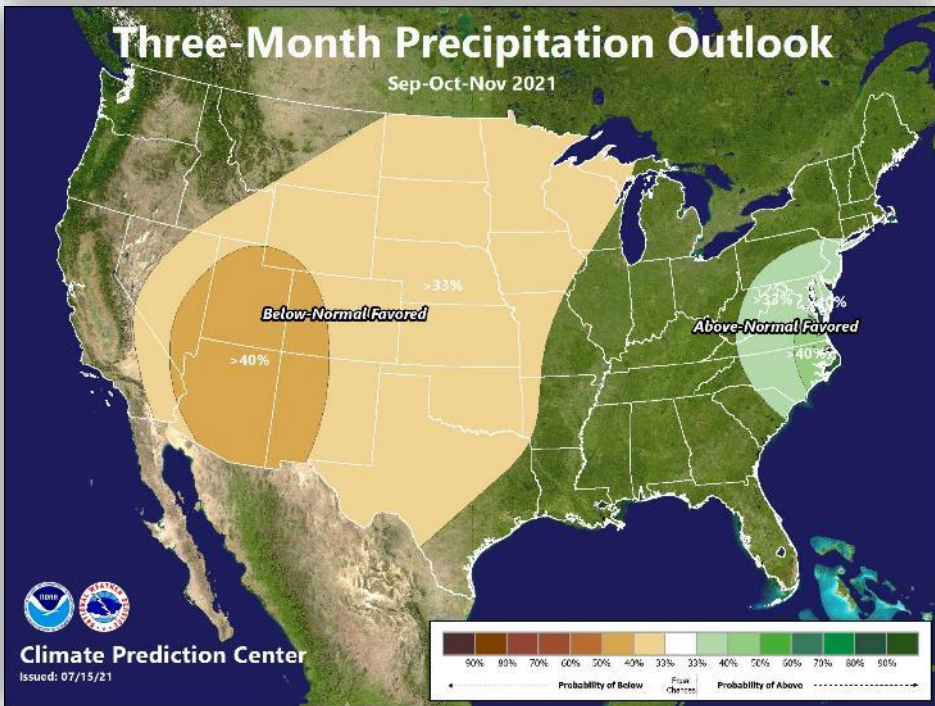
ENSO

Early-July 2021 CPC/IRI Official Probabilistic ENSO Forecasts

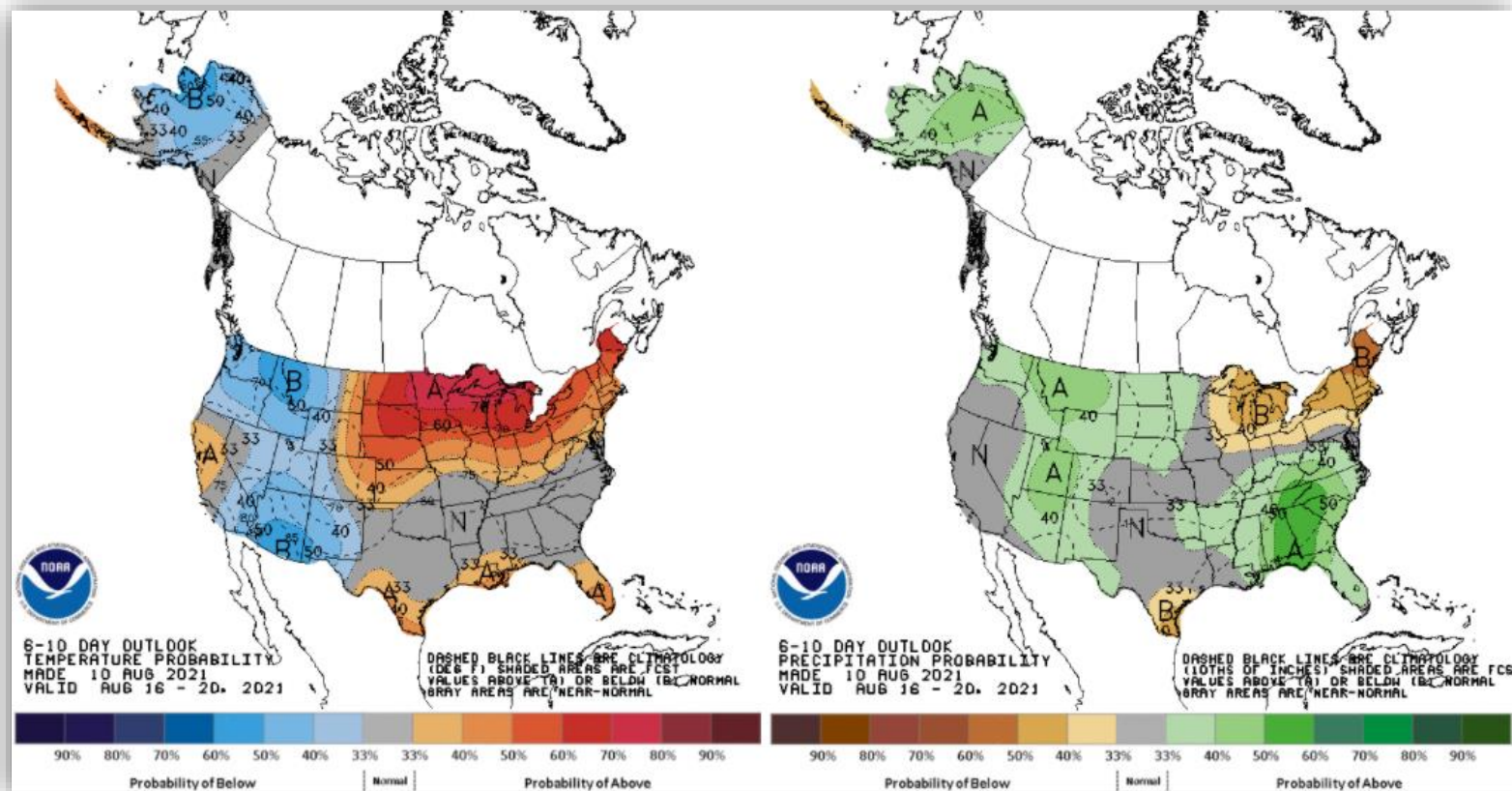
ENSO state based on NINO3.4 SST Anomaly
Neutral ENSO: -0.5°C to 0.5°C



3 Month Outlook



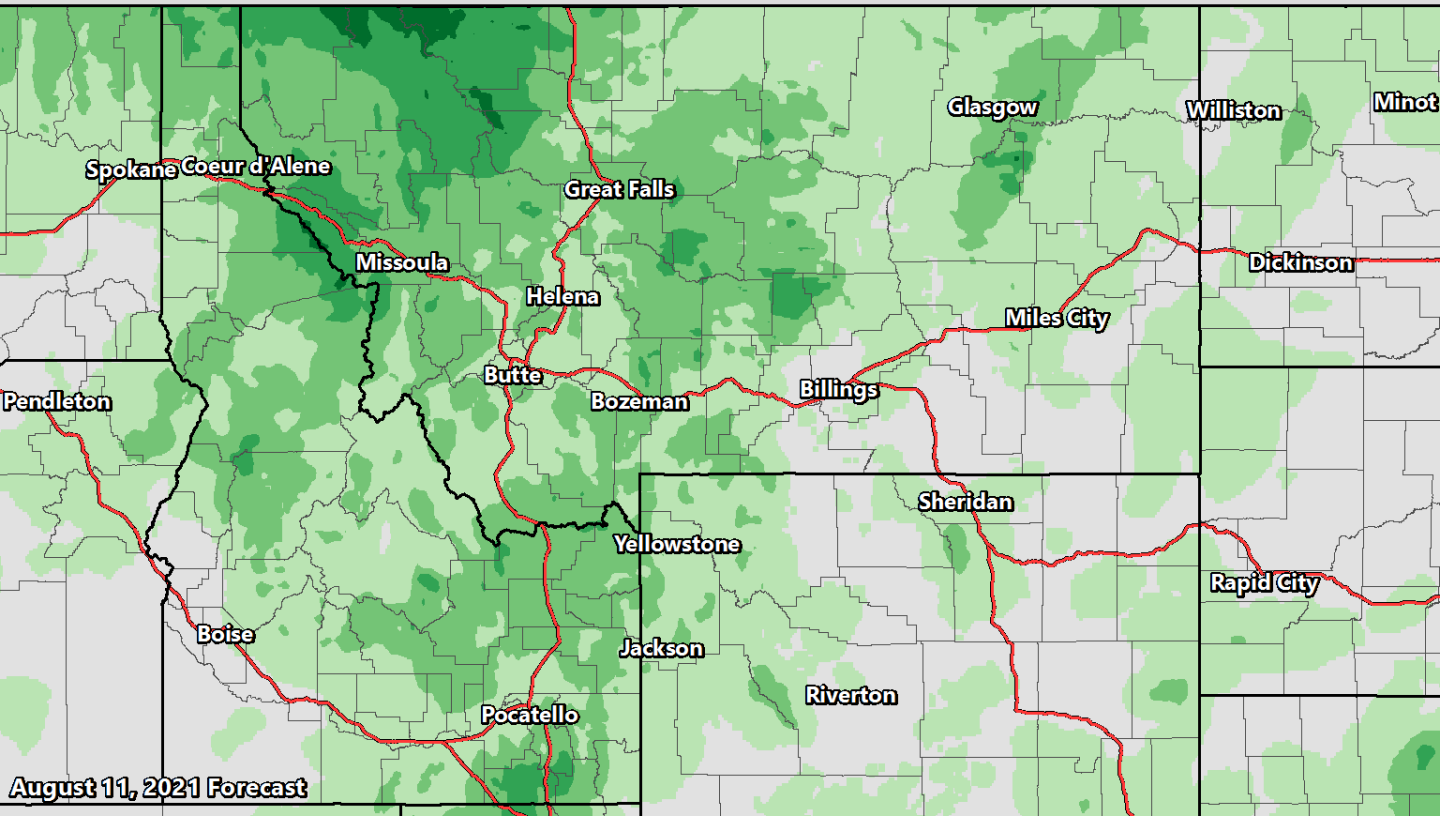
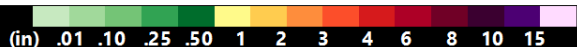
6-10 Day Outlook





7-Day Precipitation Forecast

Through 5PM 08/17/2021



August 11, 2021 Forecast



7 Day Precipitation Forecast



weather.gov

weather.gov/billings

weather.gov/glasgow

weather.gov/missoula

weather.gov/greatfalls



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